

Form PTO 1449 US Department of Commerce Patent and Trademark Office <i>JAN 26 2004</i> <i>JC26</i>	ATTY CLIENT-MATTER NO: 66872-032 (P-AR 5750)	SERIAL NO. 10/620,289
	APPLICANT: Liang and Woodward	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: July 14, 2003	GROUP: Unassigned CONFIRMATION NO.: Unassigned

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>7</i>	5,869,281	2/9/99	Abramovitz et al.	435	69.1	6/25/93
<i>9</i>	6,329,426	12/11/01	Ueno	514	530	12/28/98
<i>8</i>	6,416,972	7/9/02	Lake et al.	435	69.1	6/23/97
<i>8</i>	6,492,417	12/10/02	Sharif et al.	514	530	12/14/98
<i>8</i>	6,511,999	1/28/03	Burk et al.	514	374	2/8/02

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>✓</i>	Abramovitz et al., "Cloning and expression of a cDNA for the human prostanoid FP receptor," <u>J. Biol. Chem.</u> 269:2632-2636 (1994).
<i>✓</i>	Anderson et al., "Prostaglandin F _{2α} receptor in the corpus luteum: Recent information on the gene, messenger ribonucleic acid, and protein," <u>Biology of Reproduction</u> 64:1041-1047 (2001).
<i>8</i>	Anderson et al., "Prostaglandin moieties that determine receptor binding specificity in the bovine corpus luteum," <u>J. Reprod. Fertil.</u> 116:133-141 (1999).
<i>✓</i>	Betz et al., "Genomic structure, 5' flanking sequences, and precise localization in 1P31.1 of the human prostaglandin F receptor gene," <u>Biochem. Biophys. Res. Commun.</u> 254:413-416 (1999).
<i>✓</i>	Bhattacharya et al., "Nuclear prostaglandin receptors," <u>Gene Ther. Mol. Biol.</u> 4:323-338 (1999).

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EXAMINER DATE CONSIDERED: *8/21/06*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<input checked="" type="checkbox"/>	Boiti et al., "Nitric oxide synthase activity and progesterone release by isolated corpora lutea of rabbits in the early and mid-luteal phases of pseudopregnancy are modulated differently by prostaglandin E-2 and prostaglandin F-2alpha via adenylate cyclase and phospholipase C," <u>J. Endocrinol.</u> 164:179-186 (2000).
<input checked="" type="checkbox"/>	Carrasco et al., "Activation of the prostaglandin FP receptor in human granulosa cells," <u>J. Reprod. Fertil.</u> 111:309-317 (1997).
<input checked="" type="checkbox"/>	Chen et al., "Prostaglandin F2alpha stimulates the Raf/MEK1/mitogen-activated protein kinase signaling cascade in bovine luteal cells," <u>Endocrinology</u> 139:3876-3885 (1998).
<input checked="" type="checkbox"/>	Davis et al., "Prostaglandin F2 alpha stimulates phosphatidylinositol 4,5-bisphosphate hydrolysis and mobilizes intracellular Ca ²⁺ in bovine luteal cells," <u>Proc. Natl. Acad. Sci. USA</u> 84:3728-3732 (1987).
<input checked="" type="checkbox"/>	Duncan et al., "Chromosomal localization of the human prostanoid receptor gene family," <u>Genomics</u> 25:740-742 (1995).
<input checked="" type="checkbox"/>	Ezashi et al., "Genomic organization and characterization of the gene encoding bovine prostaglandin F2alpha receptor," <u>Gene</u> 190:271-278 (1997).
<input checked="" type="checkbox"/>	Fu et al., "Peroxisome proliferator-activated receptor gamma inhibits transforming growth factor beta-induced connective tissue growth factor expression in human aortic smooth muscle cells by interfering with Smad3," <u>J. Biol. Chem.</u> 276:45888-45894 (2001).
<input checked="" type="checkbox"/>	Fujino et al., "Delayed reversal of shape change in cells expressing FP(B) prostanoid receptors. Possible role of receptor resensitization," <u>J. Biol. Chem.</u> 275:29907-29914 (2000).
<input checked="" type="checkbox"/>	Graves et al., "Cloning of a receptor for prostaglandin F2 alpha from the ovine corpus luteum," <u>Endocrinology</u> 136:3430-3436 (1995).
<input checked="" type="checkbox"/>	Griffin et al., "FP prostaglandin receptors mediating inositol phosphates generation and calcium mobilization in Swiss 3T3 cells: A pharmacological study," <u>J. Pharmacol. Exp. Ther.</u> 281:845-854 (1997).
<input checked="" type="checkbox"/>	Gusovsky, "Prostaglandin receptors in NIH 3T3 cells: Coupling of one receptor to adenylate cyclase and of a second receptor to phospholipase C," <u>Mol. Pharmacol.</u> 40:633-638 (1991).
<input checked="" type="checkbox"/>	Hasumoto et al., "Characterization of the mouse prostaglandin F receptor gene: A transgenic mouse study of a regulatory region that controls its expression in the stomach and kidney but not in the ovary," <u>Genes Cells</u> 2:571-580 (1997).
<input checked="" type="checkbox"/>	Ishikawa et al., "Mapping of the genes encoding mouse prostaglandin D, E, and F and prostacyclin receptors," <u>Genomics</u> 32:285-288 (1996).
<input checked="" type="checkbox"/>	Juengel et al., "Regulation of steady-state concentrations of messenger ribonucleic acid encoding prostaglandin F2 alpha receptor in ovine corpus luteum," <u>Biol. Reprod.</u> 54:1096-1102 (1996).
<input checked="" type="checkbox"/>	Kiriyama et al., "Ligand binding specificities of the eight types and subtypes of the mouse prostanoid receptors expressed in Chinese hamster ovary cells," <u>Br. J. Pharmacol.</u> 122:217-224 (1997).
<input checked="" type="checkbox"/>	Kitanaka et al., "Cloning and expression of a cDNA for rat prostaglandin F2 alpha receptor," <u>Prostaglandins</u> 48:31-41(1994).
<input checked="" type="checkbox"/>	Lake et al., "Cloning of the rat and human prostaglandin F2 alpha receptors and the expression of the rat prostaglandin F2 alpha receptor," <u>FEBS Lett.</u> 355:317-325 (1994).

<u>8</u>	Liang et al., "Comparison of PGF2 α , Bimatoprost (prostamide) and butaprost (EP2 agonist) on Cyr61 and CTGF gene expression," <u>J. Biol. Chem.</u> 278:27267-27277 (2003).
<u>2</u>	Liu et al., "PLD activation in Chinese hamster ovary (CHO) cells transfected with PGF2 alpha receptor cDNA," <u>Prostaglandins</u> 51:233-248 (1996).
<u>2</u>	Narumiya and FitzGerald, "Genetic and pharmacological analysis of prostanoid receptor function," <u>J. Clin. Invest.</u> 108:25-30 (2001).
<u>2</u>	Niswender et al., "Mechanisms controlling the function and life span of the corpus luteum," <u>Physiol. Rev.</u> 80:1-29 (2000).
<u>2</u>	Ogawa et al., "Structural organization and chromosomal assignment of the human prostacyclin receptor gene," <u>Genomics</u> 27:142-148 (1995).
<u>2</u>	Pierce and Regan, "Prostanoid receptor heterogeneity through alternative mRNA splicing," <u>Life Sciences</u> 62:1479-1483 (1998).
<u>2</u>	Pierce et al., "Activation of FP prostanoid receptor isoforms leads to Rho-mediated changes in cell morphology and in the cell cytoskeleton," <u>J. Biol. Chem.</u> 274:35944-35949 (1999).
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<u>2</u>	Sakamoto et al., "Prostaglandin F2 alpha receptor," <u>J. Lipid Mediat. Cell Signal</u> 12:405-411 (1995).
<u>2</u>	Stjernschantz et al., "Microvascular effects of selective prostaglandin analogues in the eye with special reference to latanoprost and glaucoma treatment," <u>Prog. Retin. Eye Res.</u> 19:459-496 (2000).
<u>2</u>	Sugimoto et al., "Cloning and expression of a cDNA for mouse prostaglandin F receptor," <u>J. Biol. Chem.</u> 269:1356-1360 (1994).
<u>2</u>	Susanna et al., "Current status of prostaglandin theory: Latanoprost and unoprostone," <u>Surv. Ophthalmol.</u> 47:S97-104 (2002).
<u>2</u>	Taketo et al., "Mapping of the genes encoding mouse thromboxane A2 receptor and prostaglandin E-receptor subtypes EP2 and EP3," <u>Genomics</u> 19:585-588 (1994).
<u>2</u>	Tsai et al., "Distinct mechanisms regulate induction of messenger ribonucleic acid for prostaglandin (PG) G/H synthase-2, PGE (EP3) receptor, and PGF2 alpha receptor in bovine preovulatory follicles," <u>Endocrinology</u> 137:3348-3355 (1996).
<u>2</u>	Tsai et al., "Regulation of prostaglandin F2 alpha and E receptor mRNA by prostaglandin F2 alpha in ovine corpora lutea," <u>J. Reprod. Fertil.</u> 114:69-75 (1998).
<u>2</u>	Tsai and Wiltbank, "Prostaglandin F2 alpha regulates distinct physiological changes in early and mid-cycle bovine corpora lutea," <u>Biol. Reprod.</u> 58:346-352 (1998).
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<i>✓</i>	Wiltbank et al., "Hormonal regulation of free intracellular calcium concentrations in small and large ovine luteal cells," <u>Biol. Reprod.</u> 41:771-778 (1989).
<i>✓</i>	Woodward et al., "The molecular biology and ocular distribution of prostanoid receptors," <u>Surv. Ophthalmol.</u> 41:S15-21 (1997).
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<i>✓</i>	Genbank Accession No. AAB36298
<i>✓</i>	Genbank Accession No. AAL36977
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<i>✓</i>	Genbank Accession No. BG208551
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